

L1 = 6ft X 6ft

L2 = 6ft X 6ft

(1.8m X 1.8m)

(1.8m X 1.8m)

Wired in series

Wired in series

Speed Limit		D		
mph	(km/hr)	ft	(m)	
40	(64)	250	(75)	
45	(72)	300	(90)	
50	(80)	355	(110)	
55	(88)	420	(130)	

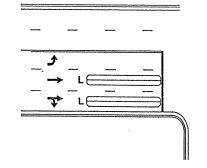
L = 6ft X 6ft (1.8m X 1.8m)
Wired in series for TS1
Controllers
Wired separately for TS2,
170, and 2070L Controllers

Speed Limit **D**1 D2 mph (km/hr) ft (m) ft (m) 40 (64) 250 (75) 80 (25) 45 (72) 300 (90) 90 (27) 355 (110) 100 (30) 50 (80) 55 (88) 420 (130) 110 (35)

"Stretch" Operation

_				
_ →			_	
	4	— 70 f (20m	t →	

L = 6ft X 6ft (1.8m X 1.8m)
Wired in series



L = 6ft X 60ft (1.8m X 18.0m)

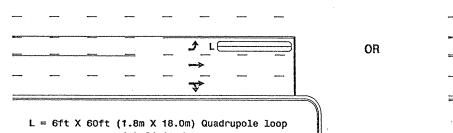
Quadrupole loop, wired separately

Left Turn Lane Detection

High Speed Detection

[≥40 mph (64 km/hr)]

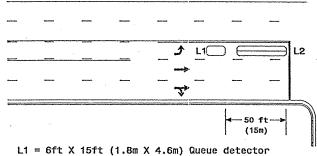
OR



or, with limited space:
6ft X 50ft (1.8m X 15.0m) Quadrupole loop
or
6ft X 40ft (1.8m X 12.0m) Quadrupole loop

Presence Loop Detection

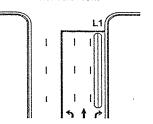
Volume Density Operation



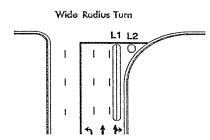
L2 = 6ft X 40ft (1.8m X 12.0m) Quadrupole loop

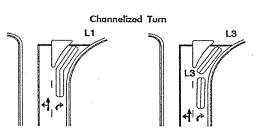
Queue Loop Detection

Standard Turn Lane Detection

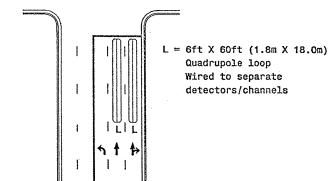


L1 = 6ft X 60ft (1.8m X 18.0m) Quadrupole loop
L2 = 6ft X 6ft (1.8m X 1.8m) [Minimum] Presence loop
Wired separately
L3 = 6ft X 30ft (1.8m X 9.0m) Quadrupole loop
Wired in series

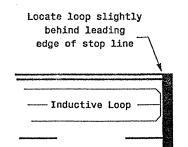




Side Street Detection



Presence Loop Placement at Stop Lines



Note: Loop may be located in advance of stop line when stop line is greater than 15' (4.5m) from edge of intersecting roadway; or, when loop detects a permitted or exclusive/permitted left turn.

Recommended Number of Turns

Single 6' X 6' (1.8m X 1.8m)
loop (wired separately):

rooh (wrien schaigrery).					
Length of Lead-in ft (m)	Number of Turns				
< 250 (75)	3				
250-375 (75-115)	4				
375-525 (115-160)	5				
> 525 (160)	6				

Quadrupole loops: Use 2-4-2 turns

6' X 15' (1.8m X 4.6m) Loops: Lead-in < 150' (45 m), use 2 turns Lead-in > 150' (45 m), use 3 turns

	Typical Loop Locations					SEA LICH CA ROFUS PP 214	ROLL
George High	PLAN DATE:	July 2003	REVIEWED BY:			153 W	ON KEE
2 N. McDowell St., Roleigh, NG 27603	PREPARED BY:	P L Alexander	REVIEWED BY:			1/ 1/3/APV	LEXILIA
SCALE		REVISIONS		INIT.	DATE	1 NW	inn. 1. 10
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N/A			••••••	·····		SIGNATURE	DATE
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